U.S. Army RDE Command (Prov)

- Supporting the Objective Force -

Technology Solutions for a Full Spectrum Force:

Agile Development

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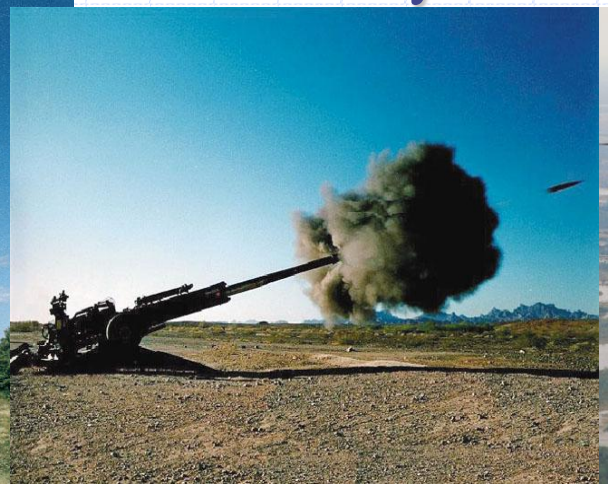
RDECOM (Prov)

Full Spectrum Dominance

The ability of US forces, operating unilaterally or in combination with multinational and interagency partners, to defeat any adversary and control any situation across the full range of military operations.



Development Environment = Different

Assumptions

- ✓ US will remain engaged globally
- ✓ Potential adversaries will have access to same technologies
- ✓ Potential adversaries will adapt to US capabilities
- ✓ Full Spectrum Implications =
  - Transformation – Multidimensional
  - Joint – Interagency – Non-governmental
  - Resource Constrained Force – Yesterday's decisions today

The traditional way of delivering technology solutions to the warfighter will no longer work!

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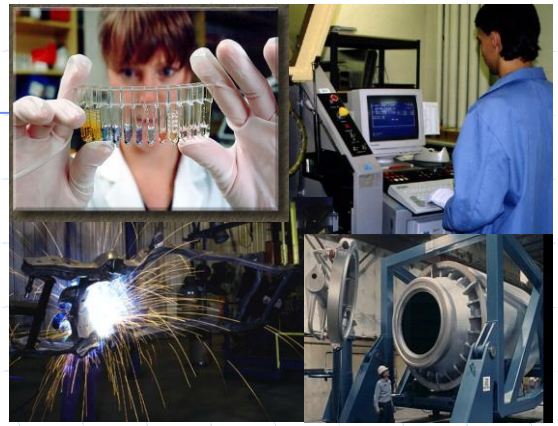
Blending of Technologies, Time and Space

TIME



ACCELERATION OF TECHNOLOGIES & COMPLEXITY

FCS
NETWORKED FIRES
OBJECTIVE FORCE WARRIOR

COMANCHE

APACHE (D)
M1A2SEP
JTRS

IAV

FBCB2
ABCS

APACHE (C)
HELLFIRE
JAVELIN
SINGARS

APACHE (A)
M1
MLRS

Systems of Systems Integration

= ?

INDEPENDENT ORGANIZATIONS → INTERDEPENDENT ORGANIZATIONS

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The Challenge

Technology Labs & Centers

Handoff

Future Force

Traditional

Full Spectrum Force

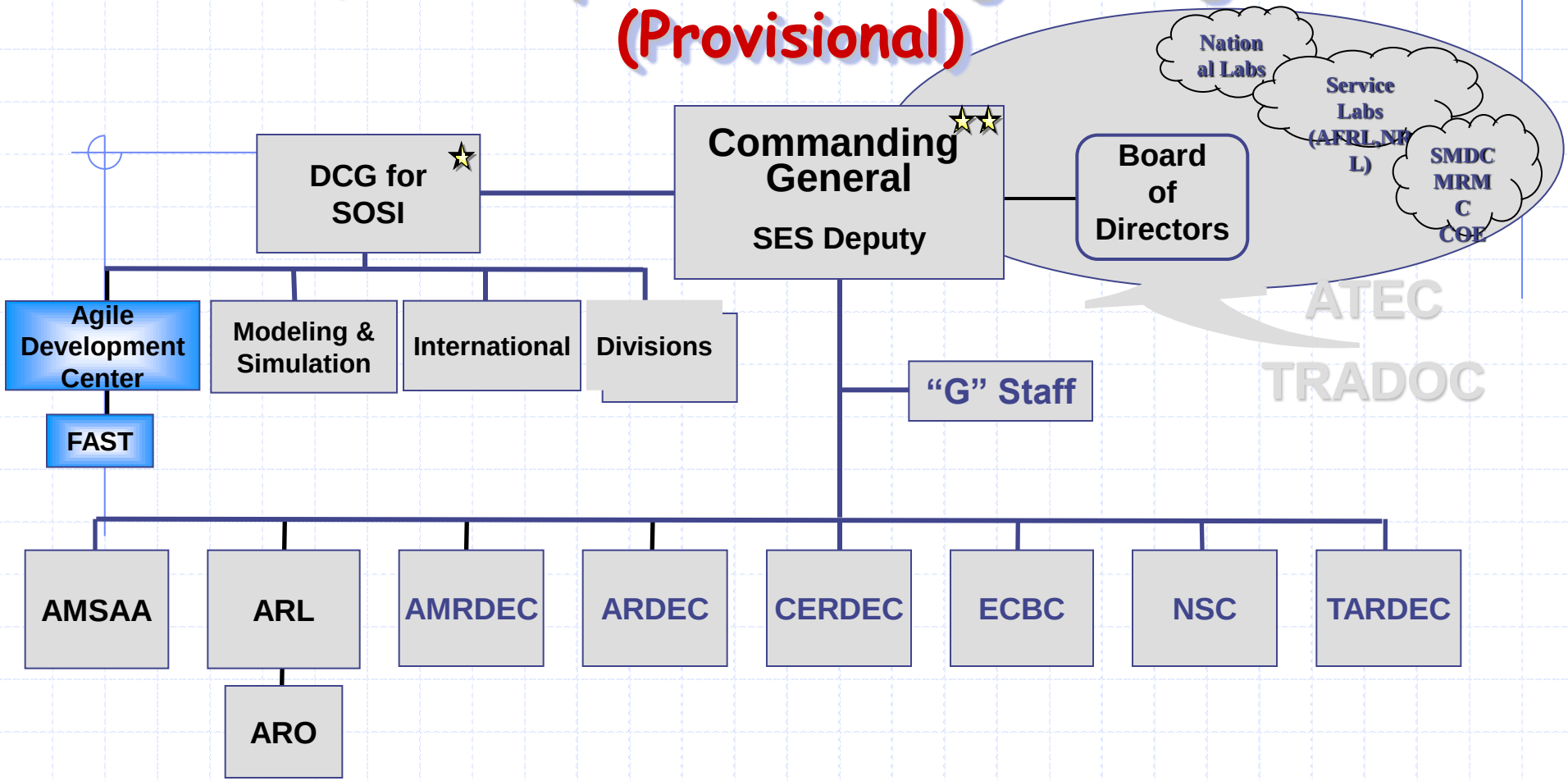
Technology Sources

- Labs
- Centers
- Academia
- International Markets
- Industry

Delivered Capability

Operational Force Current and Future

Research, Development and Engineering Command (Provisional)



ARDEC = Armament Research, Development & Engineering Center
AMRDEC = Aviation & Missile Research, Development & Engineering Center
AMSAA = Army Materiel Systems Analysis Activity
ARL = Army Research Laboratory
ARO = Army Research Office
ATEC = Army Test & Evaluation Command
CERDEC = Communications Electronics Research, Development & Engineering Center
ECBC = Edgewood Chemical Biological Research, Development & Engineering Center
FAST = Field Assistance in Science & Technology (Combatant Commands & Training Areas)
NSC = Natick Soldier Center
SOSI = Systems of Systems Integration
TARDEC = Tank Automotive Research, Development & Engineering Center
TRADOC = Training & Doctrine Command

Systems of Systems Integration

RDE Command BOD
DCG, SOSI

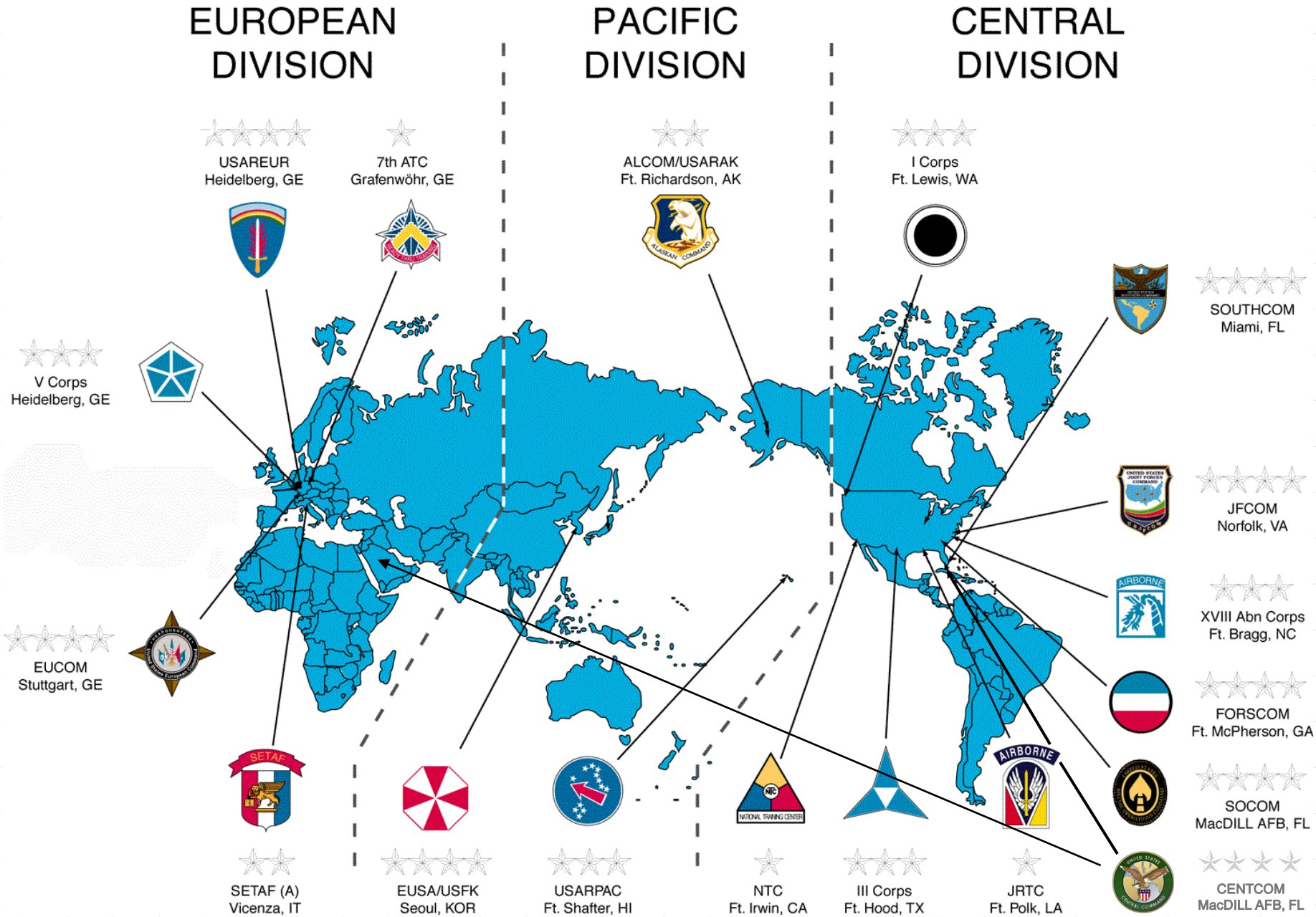
Capability Management IPTs
Technology Integration IPTs
Agile Development Center
Quarterly Laboratory Reviews
M&S Collaborative Environment
International Opportunities Database

- Linkage with PEOs/PMs/Contractors
- Strategy for Supporting Future S&T
- Technology Insertion & Sustainment Support
- AIPs & MOUs with stakeholders (TRADOC, DOE, ATEC, etc.)
- Strategic Communications in a collaborative environment.

	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010
FSC MS B								
FSC MNS, ORD AROC/JROC								
FSC MS C / DAB								
BLK II Tech Demos								
BLK II SDD								
BLK 1 Tech Demos								
BLK 1 SDD – Integration, Test & Analysis								
BLK 1 L RIP								
BLK 1 FUE								
BLK 1 IOC								

Stay Ahead of Capabilities & Technologies

Linkage to Combatant Commands (FAST)



Agile Development Center

- Linking
- Facilitating
- Expediting

Industry

DARPA

Seeking "Good Ideas" that make a difference

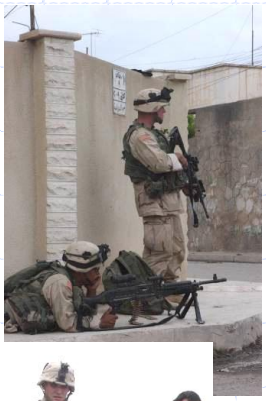
Natick Soldier Center

CECOM

International Markets

FAST

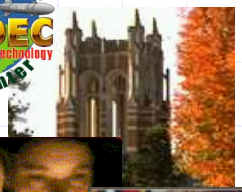
Rapid Development



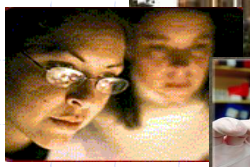
Rapid Equipping (Teaming)

Battle Labs

AMRDEC



Rapid Sustainment (Teaming)



REF

Disengagement

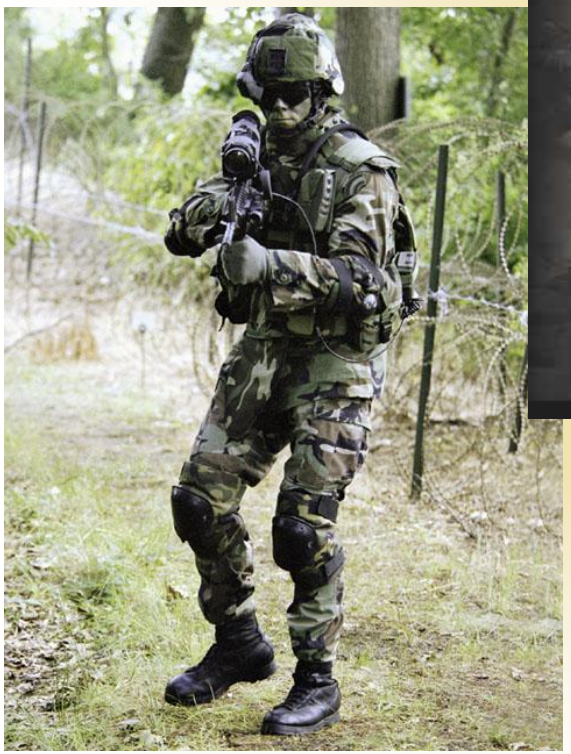
Academia

Fighting Warriors

Bottom Line = The Soldier!

Timely!

Agile!



Valued!

Quick!

Responsive!